

Section I (Amendments to the Claims)

Please amend claims 1, 6, 7, 47, 54, and 55, as set out in the following listing of the claims of the application.

Please add new claims 62 and 63.

Please cancel claims 30, 32, 34-35, 37-42, and 60, without prejudice.

1. (Currently amended) A method of capturing and monitoring at least one physiological parameter and movement within an area of at least one person, the method comprising:

dividing the area into cells having respective location identifiers by providing a plurality of access stations in a spatial arrangement within the area, thereby dividing the area into cells;

providing each person with a respective device for measuring at least one physiological parameter of each person, the physiological parameter being indicative of whether the person has a physical condition, each device having a device identifier;

at least intermittently measuring a physiological parameter of each person using the respective device to obtain a physiological parameter reading for each measurement;

transmitting a respective location identifier as a beacon by each of the plurality of access stations;

receiving, by a respective device of each person, a transmitted location identifier of a cell in which the physiological parameter reading is obtained;

associating each of at least a selected number of physiological parameter readings with the respective device identifier of the device by which, the respective-received location identifier of the cell in which, and a time at which the physiological parameter reading is obtained;

~~adjusting the physiological parameter reading by a physiological parameter correction factor that is individually determined for the person; and~~

storing the associated physiological parameter reading, device identifier, location identifier and time;

~~comparing the physiological parameter reading with a second physiological parameter threshold value to determine if the person has a physical condition, wherein the physiological parameter is body temperature;~~

—wherein the second predetermined physiological parameter threshold value is calculated using equation of $T = \mu + k\sigma$, wherein T represents the second predetermined physiological parameter threshold value, μ represents the mean value of a predetermined number of readings of the physiological parameter, k represents a positive number up to 3, and σ represents the standard deviation of the predetermined number of readings of the physiological parameter.

2. (Original) The method according to Claim 1, wherein the monitoring is carried out from a remote location, the method further comprising:

transmitting the associated physiological parameter reading, device identifier, location identifier and time to the remote location prior to storing them thereat.

3. (Cancelled)

4. (Previously presented) A method according to Claim 61, further comprising identifying and locating the person using the device identifier and the location identifier associated with the physiological parameter reading if the person is determined not to be wearing the device properly.

5. (Cancelled)

6. (Currently amended) A method according to Claim [[1]]62, further comprising identifying and locating the person using the device identifier and the location identifier associated with the physiological parameter reading if the person is determined to have the physical condition.

7. (Currently amended) A method according to Claim [[1]]62, wherein the second predetermined physiological parameter threshold value is predetermined individually.

8. (Cancelled)

9. (Previously presented) The method according to Claim 6, further comprising:

matching a time and location identifier associated with at least one physiological parameter reading taken from a respective device of at least one other person with those of the identified and located person; and

identifying the other person to have been in physical proximity of the identified and located person if there is a match.

10-46. (Cancelled)

47. (Currently amended) A system for capturing and monitoring at least one physiological parameter and movement within an area of at least one person comprising:

a remote control unit; and

a plurality of access stations provided in a spatial arrangement within the area, thereby dividing the area into respective cells, wherein each access station has a respective station identifier, is connected to the control unit and is adapted to ~~receive a physiological parameter reading and a respective device identifier from at least one physiological parameter measuring device attached to a first person, and to transmit the received physiological parameter reading and the device identifier along with its station identifier to the control unit~~ transmit the respective station identifier as a beacon such that a physiological parameter measuring device attached to a first person can receive the station identifier when the physiological parameter measuring device is in the respective cell;

wherein the associated physiological parameter reading, device identifier, station identifier and a time at which the physiological parameter reading is obtained by the device are transmitted by the measuring device to the control unit and are stored in a first record at the control unit;

~~wherein the physiological parameter reading is adjusted to include a physiological parameter correction factor that is individually determined for the first person;~~

~~wherein the control unit is adapted to compare the physiological parameter reading with a second predetermined physiological parameter threshold value to determine if the person has a physical condition, wherein the physiological parameter is body temperature.~~

48. (Previously presented) The system according to Claim 47, further comprising at least one physiological parameter measuring device that is attachable to the first person for monitoring at least one physiological parameter of the first person, each device having a device identifier and being connected to the respective access station of the cell when it is within the cell.

49. (Previously presented) The system according to Claim 47, wherein the control unit is adapted to provide information corresponding to the device identifier and the station identifier associated with the physiological parameter reading for identifying and locating the first person.

50. (Previously presented) The system according to Claim 48, wherein the physiological parameter measuring device comprises:

a transducer;

a transmitter; and

a processor connected to the transducer and the transmitter, the processor being adapted to control the transducer to at least intermittently measure a physiological parameter of the first person and to control the transmitter to transmit a reading corresponding to the measured physiological parameter.

51. (Previously presented) The system according to Claim 50, wherein the physiological parameter measuring device is adapted to be attached to the first person such that it is capable of measuring a physiological parameter at the abdomen of said person.

52. (Previously presented) The system according to Claim 47, wherein the physiological parameter measured is the body temperature of the first person, and wherein the physiological parameter correction factor is determined from the difference between the oral temperature and the abdomen temperature of the first person.

53. (Previously presented) The system according to claim 47, wherein the control unit is adapted to match a date, time and location identifier of a second record obtained from another respective device of a second person with those in the first record; and to identify the second person to be in physical proximity of the first person if there is a match.

54. (Currently amended) A system for capturing and monitoring at least one physiological parameter and movement within an area of at least one person comprising:

a remote control unit;

a plurality of access stations provided in a spatial arrangement within the area, thereby dividing the area into respective cells, wherein each access station has a respective station identifier and is connected to the control unit; and

at least one physiological parameter measuring device that is attachable to a first person for measuring at least one physiological parameter of the first person to obtain a physiological parameter reading, each device having a device identifier and being connected to the respective access station of the cell when it is within the cell;

~~wherein each access station is adapted to receive said physiological parameter reading and said respective device identifier from said at least one physiological parameter measuring device, and to transmit the received physiological parameter reading and the device identifier along with its station identifier to the control unit~~ transmit the respective station identifier as a beacon;

wherein the at least one physiological parameter measuring device is adapted to

receive a transmitted station identifier of a cell in which the physiological parameter reading is obtained;

associate the at least one physiological parameter reading with a respective measuring device identifier of the physiological parameter measuring device by which the received station identifier of the cell in which and a time at which the physiological parameter reading is obtained; and

transmit the physiological parameter reading and the device identifier along with the received station identifier to the control unit;

wherein the associated physiological parameter reading, device identifier, station identifier and ~~a~~ the time at which the physiological parameter reading is obtained by the device are transmitted by the measuring device to the control unit and are stored in a first record at the control unit;

~~wherein the at least one physiological parameter measuring device comprises:~~

~~a transducer;~~

~~a transmitter; and~~

~~a processor connected to the transducer and the transmitter,~~

~~said physiological parameter measuring device further comprising a housing including:~~

~~a first portion;~~

~~a second portion; and~~

~~a flexible medial portion connected between the first and the second portion,~~

~~wherein the processor, transmitter and receiver are accommodated within the first housing portion and the transducer is supported on the second housing portion.~~

55. (Currently amended) The system of according to Claim 54, wherein the physiological parameter measuring device comprises:

_____ a transducer;

_____ a transmitter; and

_____ a processor connected to the transducer and the transmitter, wherein the processor is adapted to control the transducer to at least intermittently measure the physiological parameter of the first person and to control the transmitter to transmit the physiological parameter reading.

56. (Cancelled)

57. (Previously presented) The system according to Claim 54, wherein the physiological parameter measured is a body temperature of the first person, and wherein a physiological parameter correction factor is determined from the difference between an oral temperature and an abdomen temperature of the first person.

58. (Previously presented) The system according to Claim 54, wherein the control unit is adapted to match a date, time and location identifier of a second record obtained from a second physiological parameter measuring device of a second person with those in the first record; and to identify the second person to be in physical proximity of the first person if there is a match.

59.-60. (Cancelled)

61. (Previously presented) The method according to claim 1, comprising comparing the physiological parameter reading with a first predetermined physiological parameter threshold value to determine if the person is wearing the device properly.

62. (New) The method according to claim 1, further comprising comparing the physiological parameter reading with a second physiological parameter threshold value to determine if the person has a physical condition.

63. (New) The method according to claim 1, further comprising transmitting, by the device, the associated physiological parameter reading, device identifier, location identifier and time.